

1/23

FIG.1

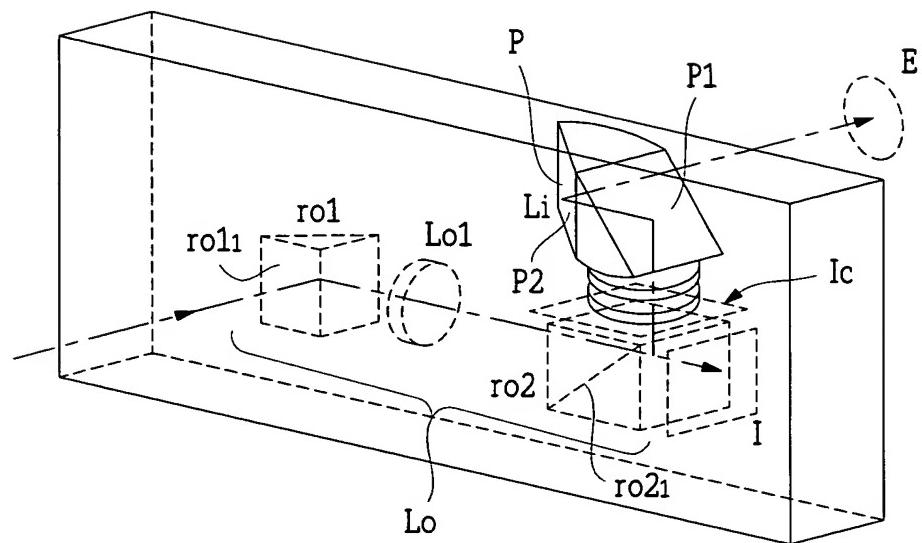


FIG.2

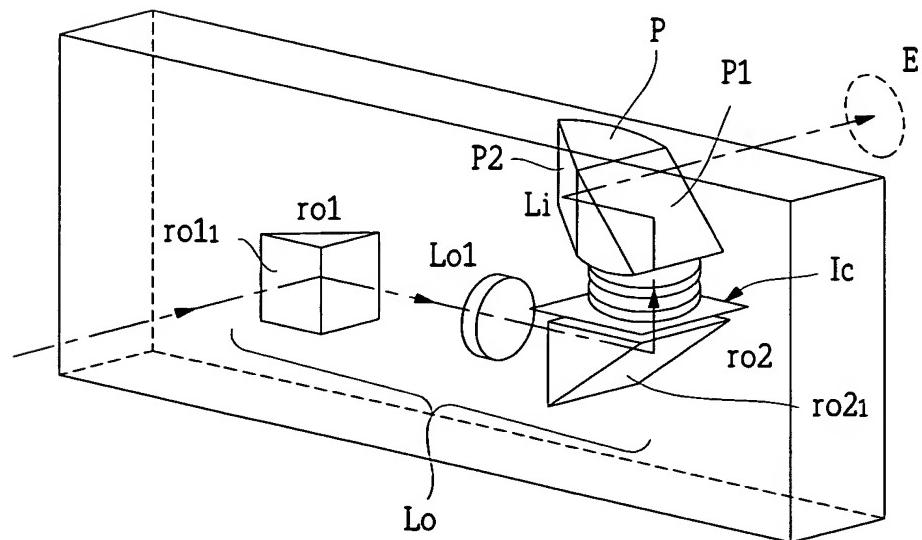


FIG. 3A

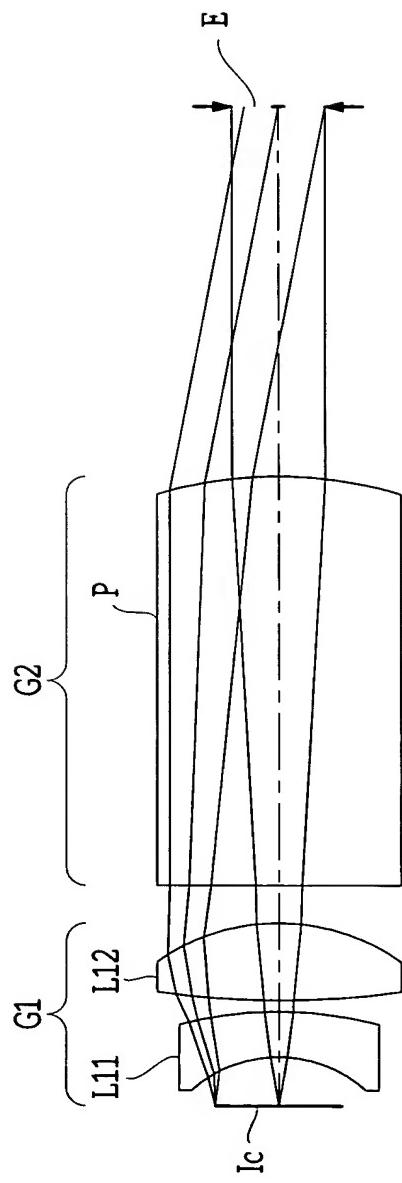


FIG. 3B

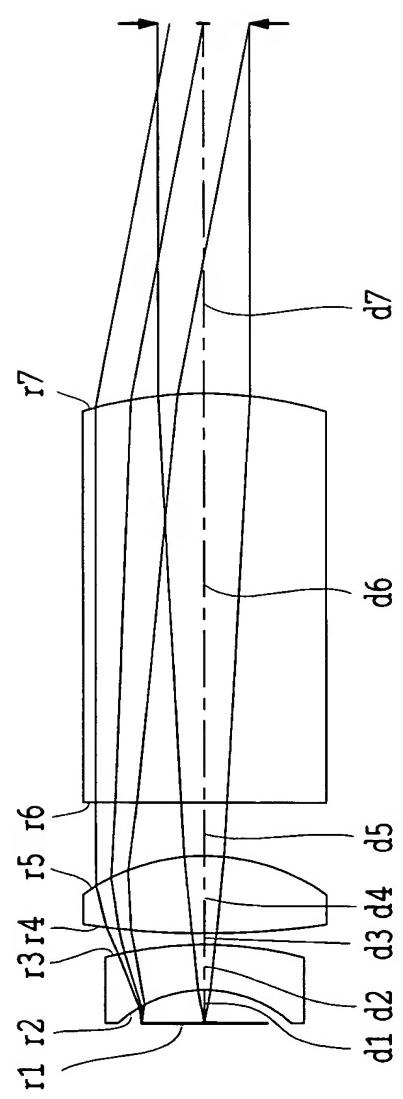
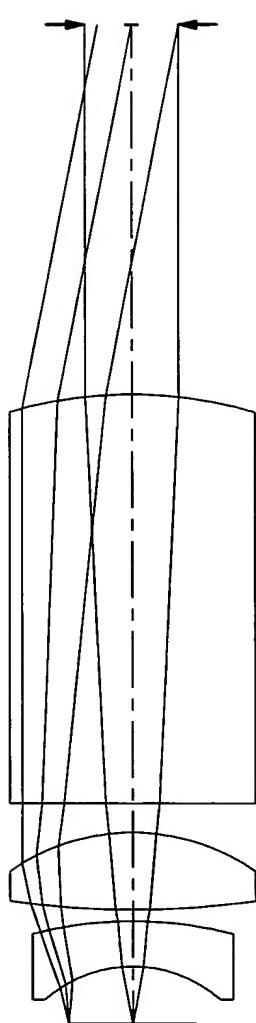
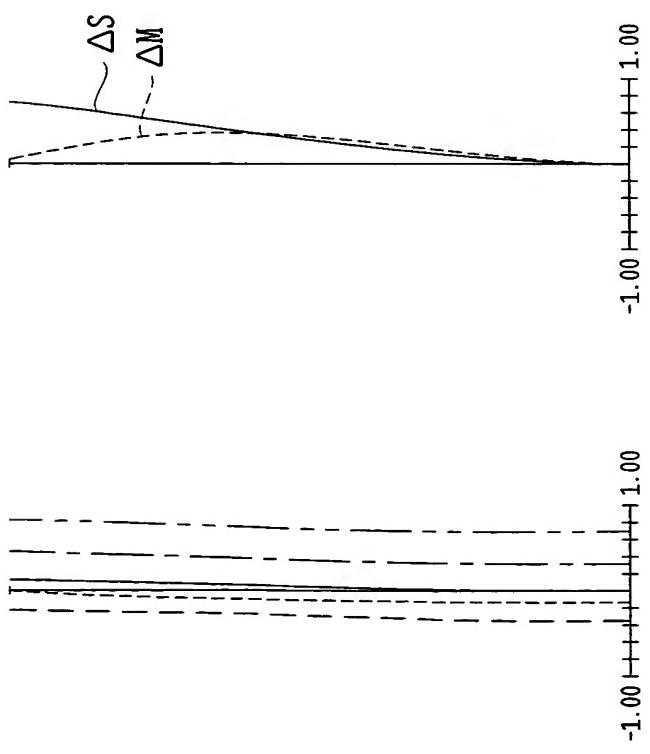


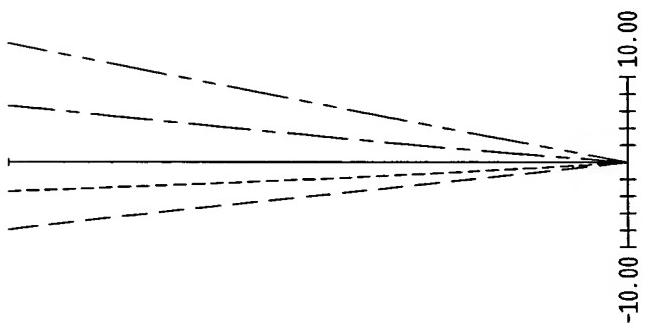
FIG. 3C



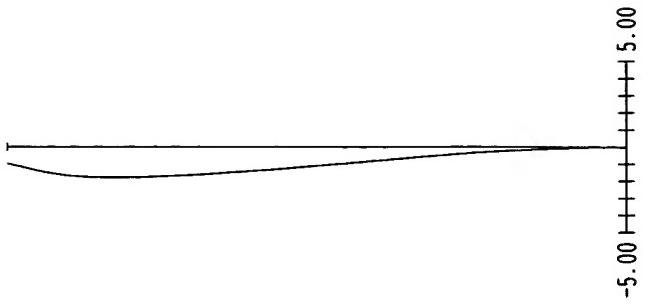
**FIG. 4A**  
SPHERICAL  
ABERRATION (dp)  
NA 0.148



**FIG. 4B**  
ASTIGMATISM (dp)  
NA 2.52



**FIG. 4C**  
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 2.52



**FIG. 4D**  
DISTORTION (%)  
IH 2.52

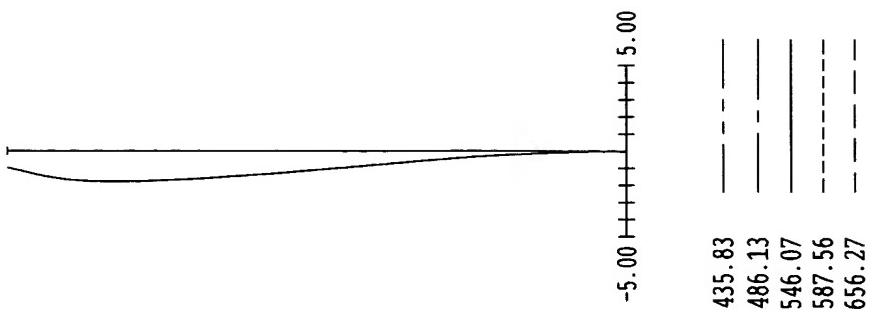


FIG. 5A

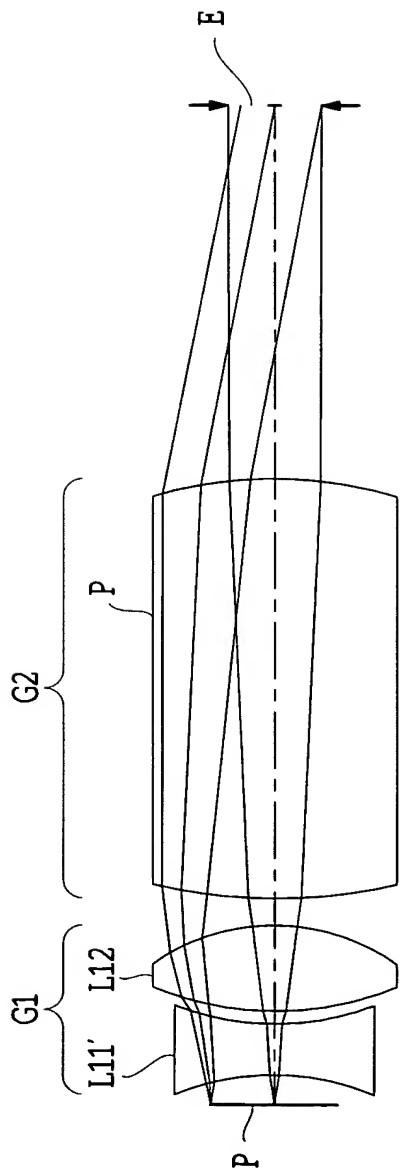


FIG. 5B

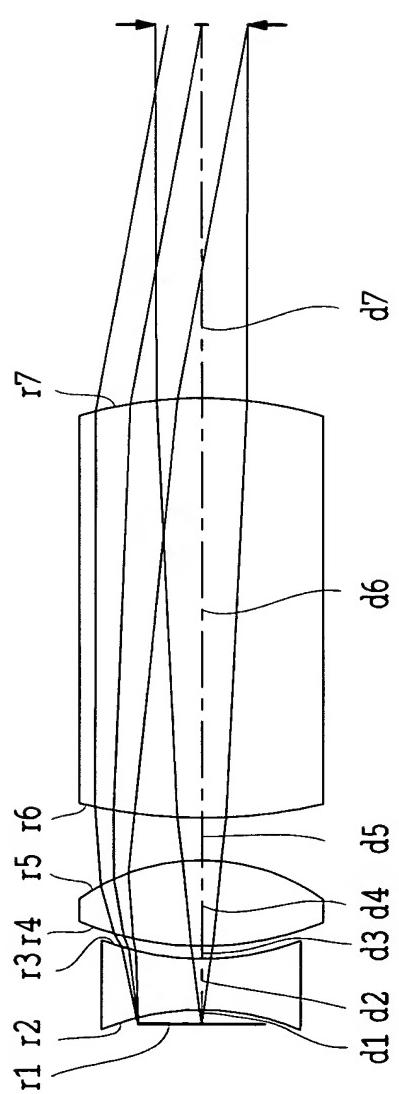
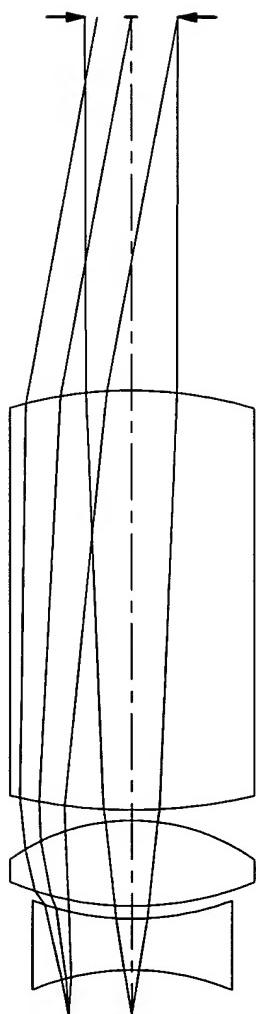


FIG. 5C



**FIG. 6A**  
SPHERICAL  
ABERRATION (dp)

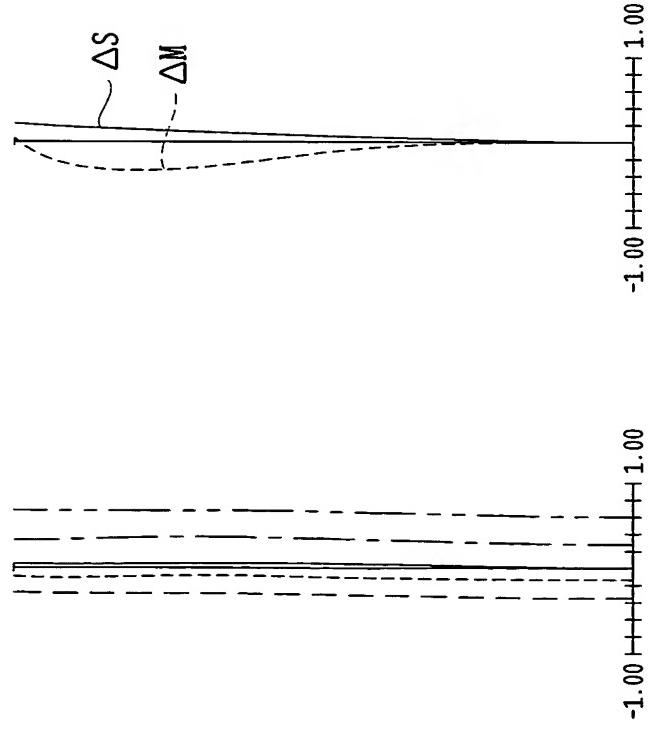
NA 0.140



**FIG. 6B**

ASTIGMATISM (dp)

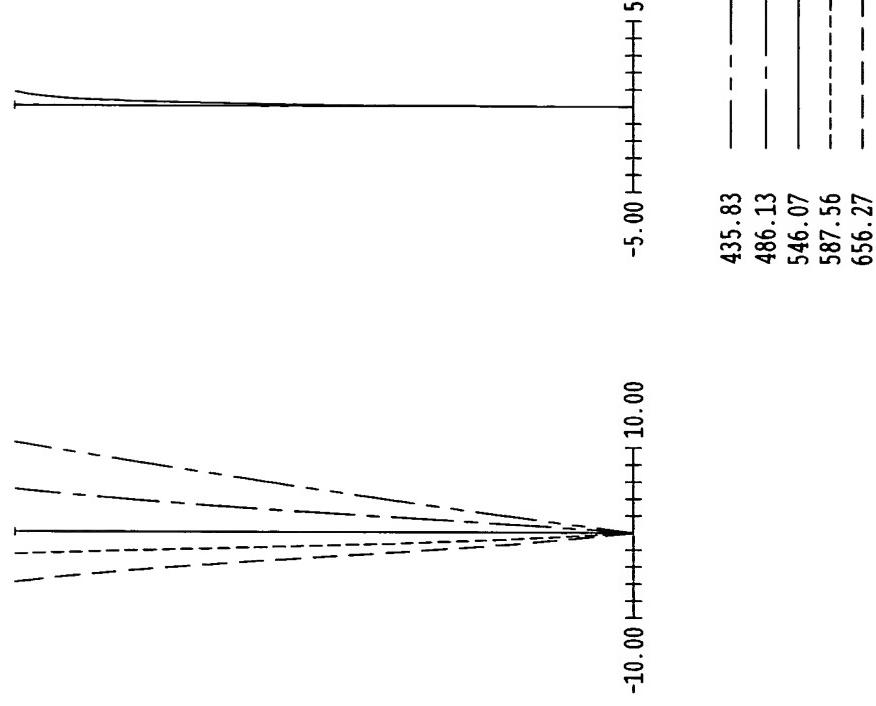
NA 2.52



**FIG. 6C**

CHROMATIC ABERRATION  
OF MAGNIFICATION (a)

IH 2.52



**FIG. 6D**

DISTORTION (%)

IH 2.52

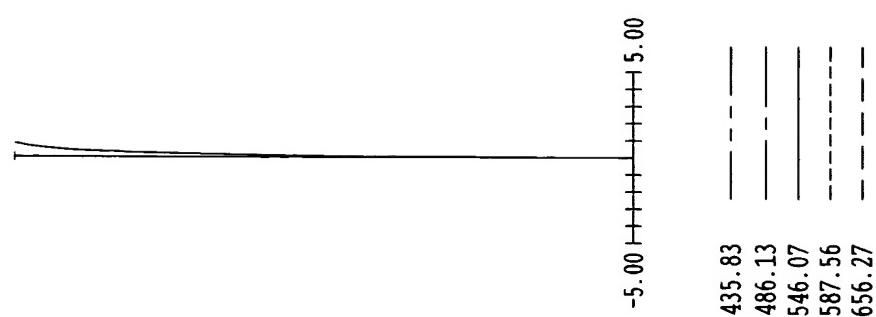


FIG. 7A

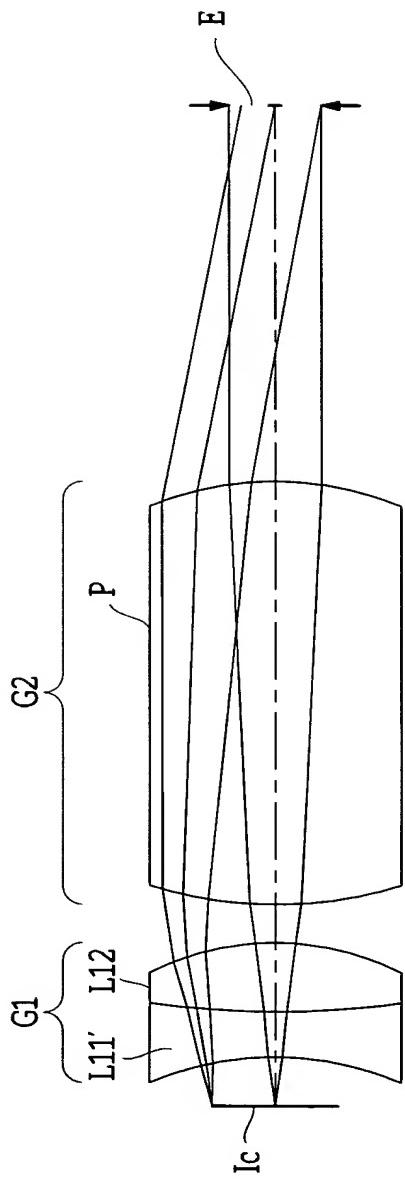


FIG. 7B

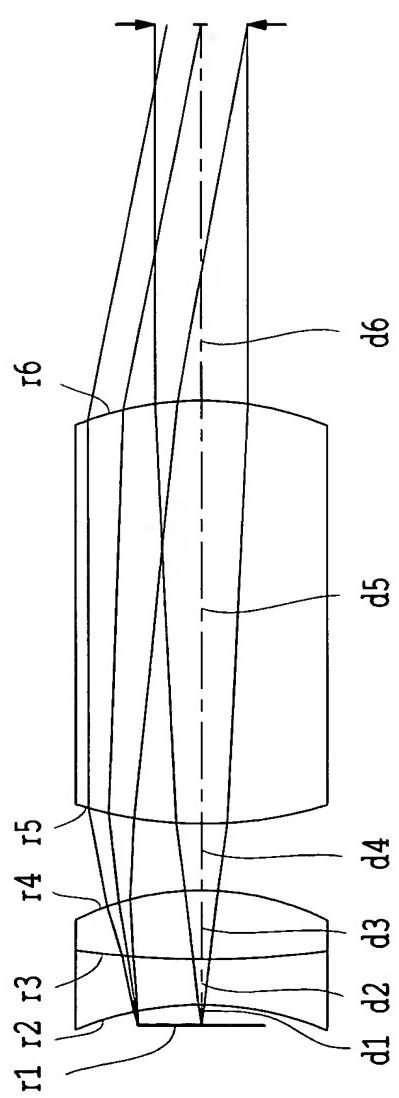
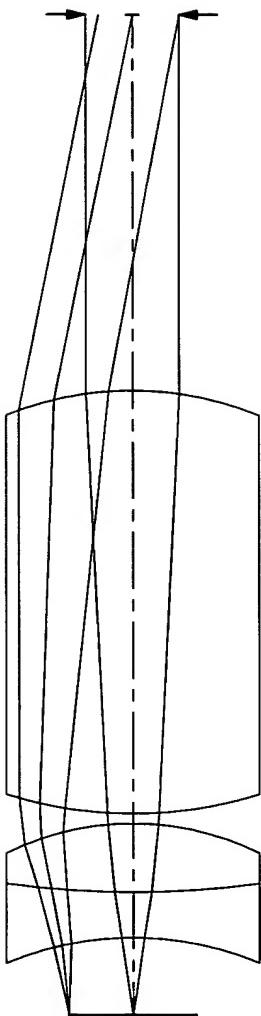


FIG. 7C



**FIG. 8A**  
SPHERICAL  
ABERRATION (dp)

NA 0.139

**FIG. 8B**  
ASTIGMATISM (dp)

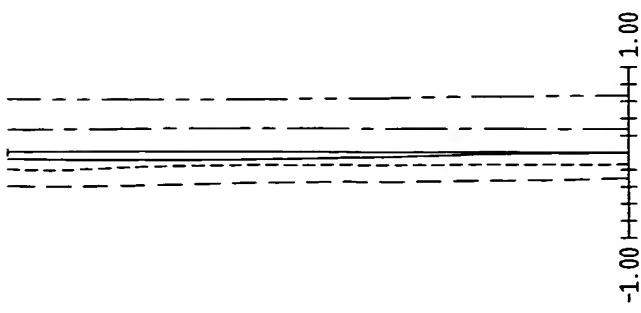
NA 2.52

**FIG. 8C**  
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)

NA 2.52

**FIG. 8D**  
DISTORTION (%)

NA 2.52



$\Delta M$   
 $\Delta S$

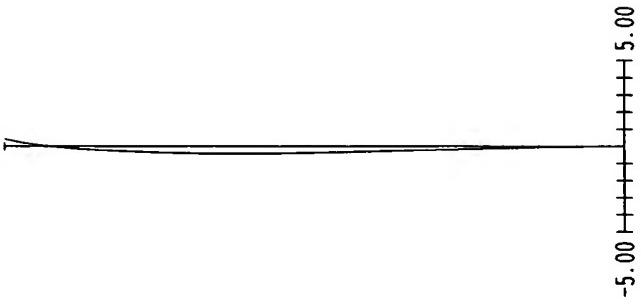
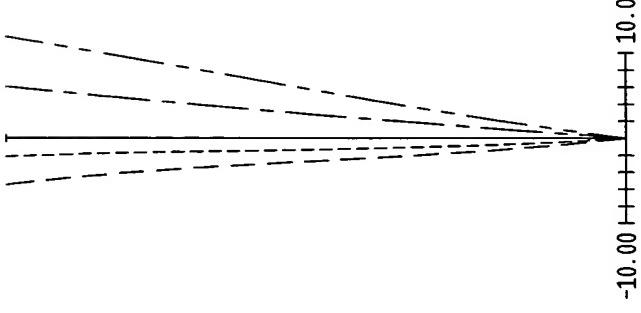


FIG. 9A

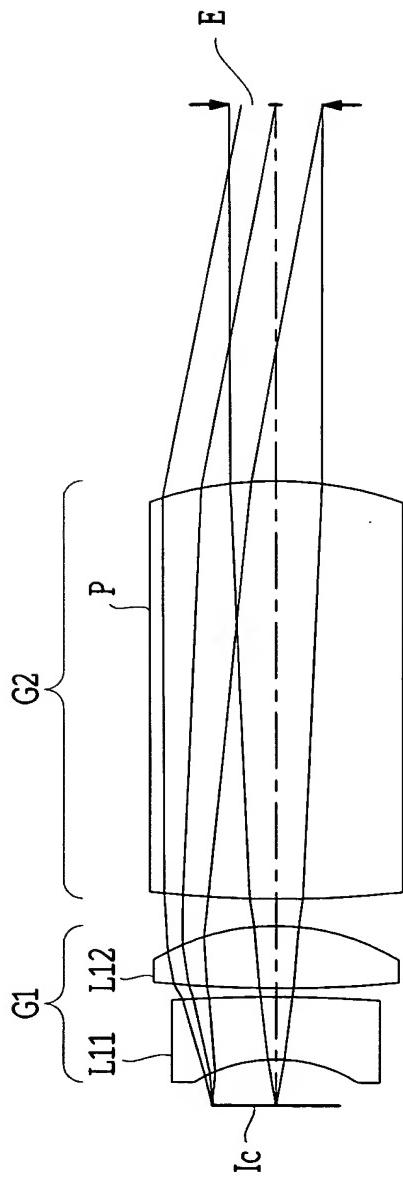


FIG. 9B

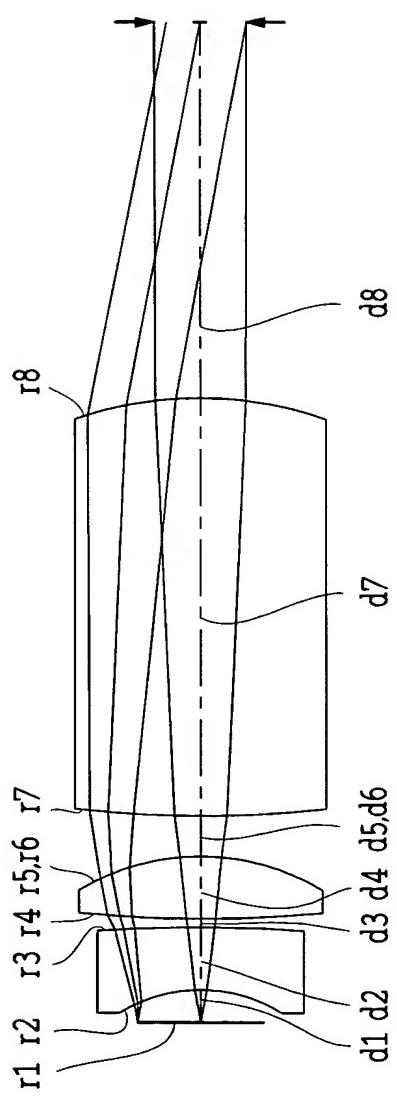


FIG. 9C

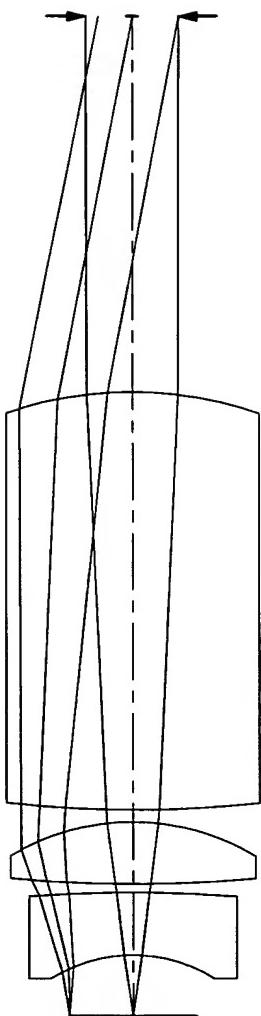


FIG. 10A

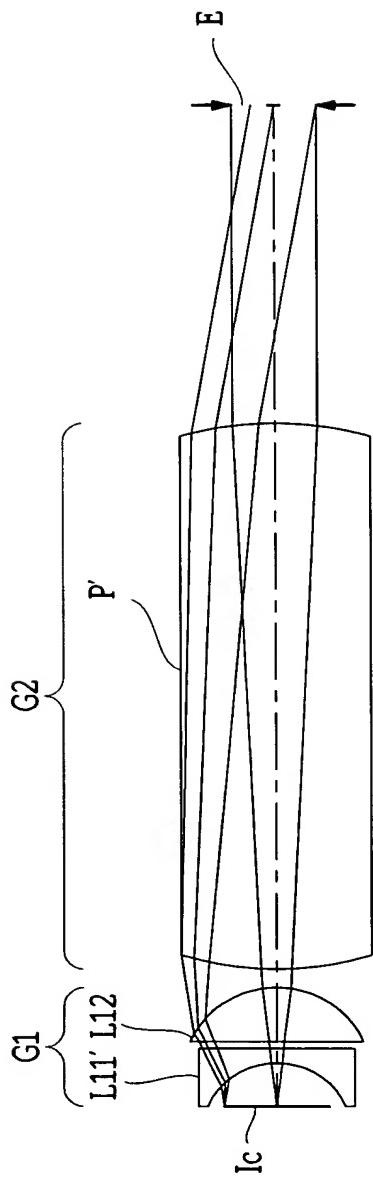


FIG.10B

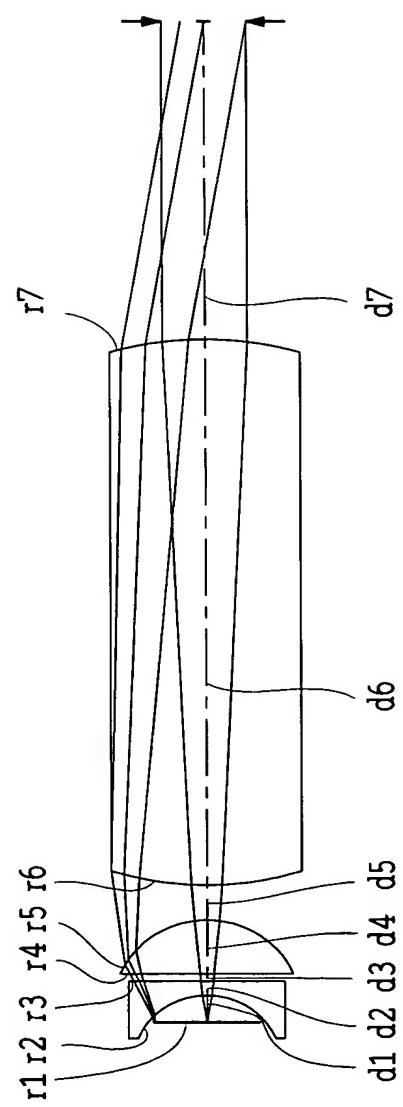
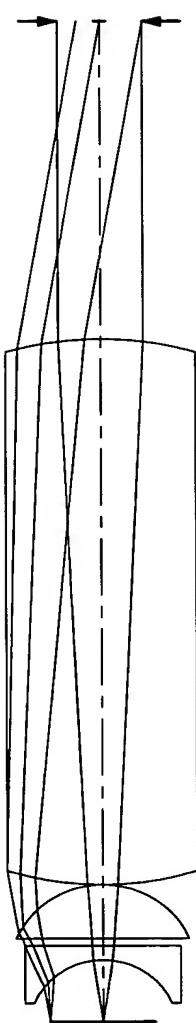


FIG.10C



**FIG. 11A**  
SPHERICAL  
ABERRATION (dp)

NA 0.123

**FIG. 11B**  
ASTIGMATISM (dp)

NA 2.52

**FIG. 11C**  
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)

NA 2.52

**FIG. 11D**  
DISTORTION (%)

NA 2.52

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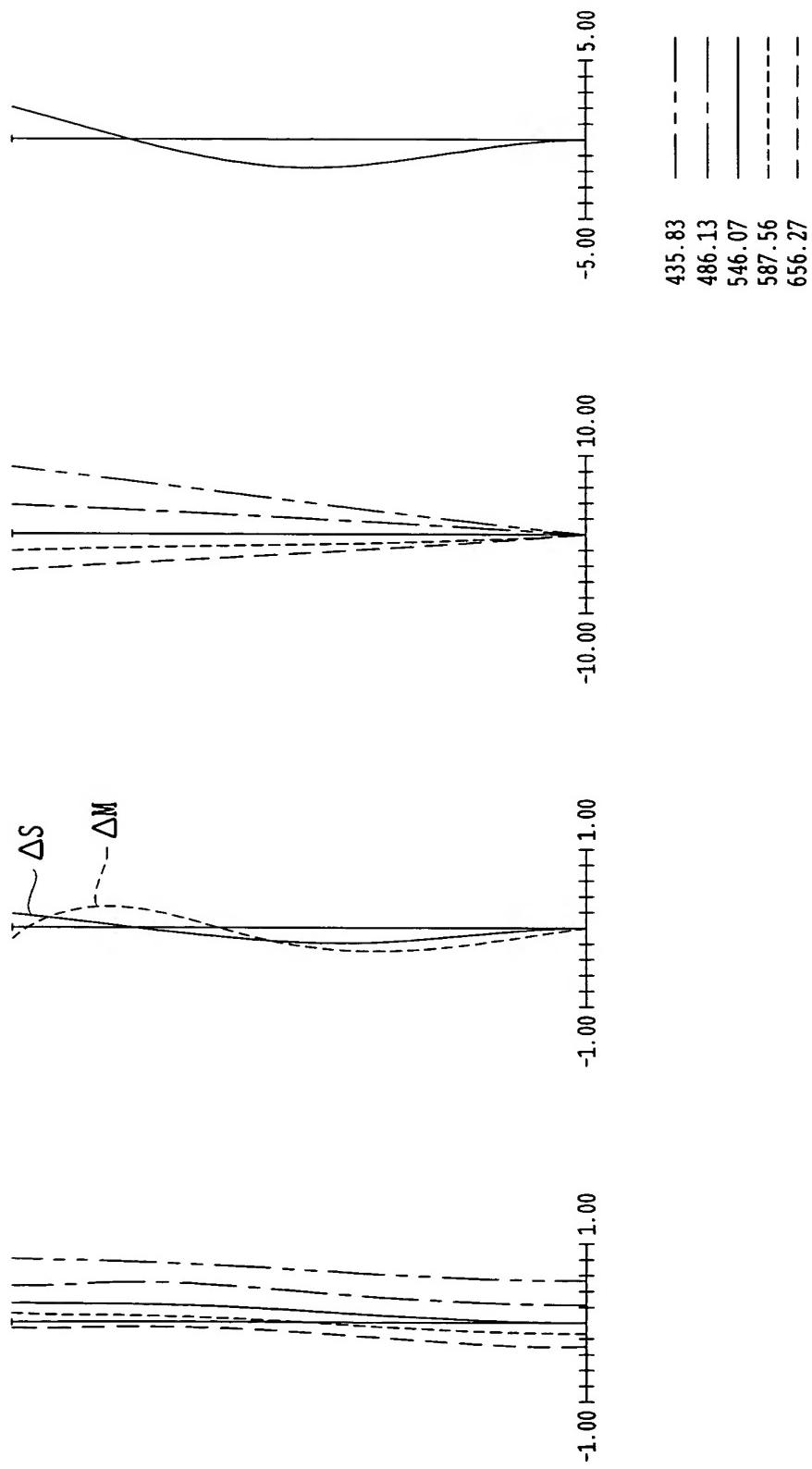


FIG. 12A

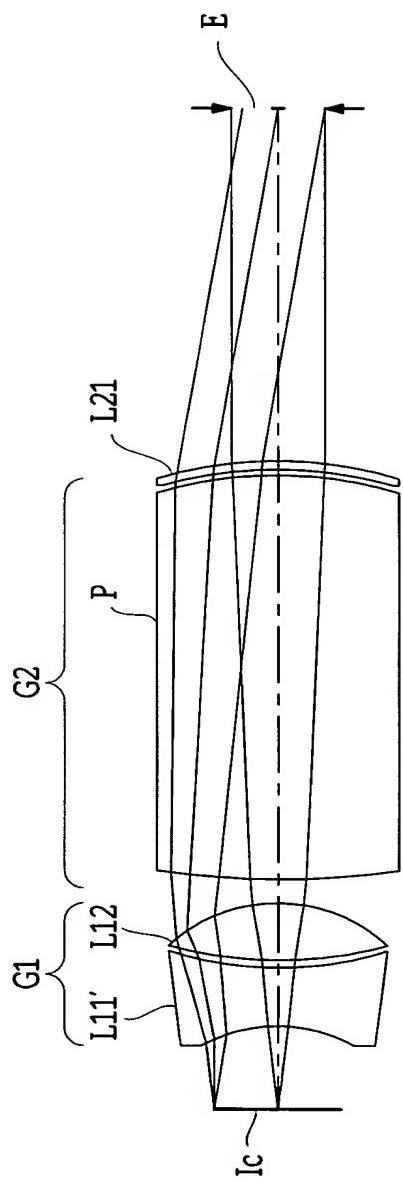


FIG. 12B

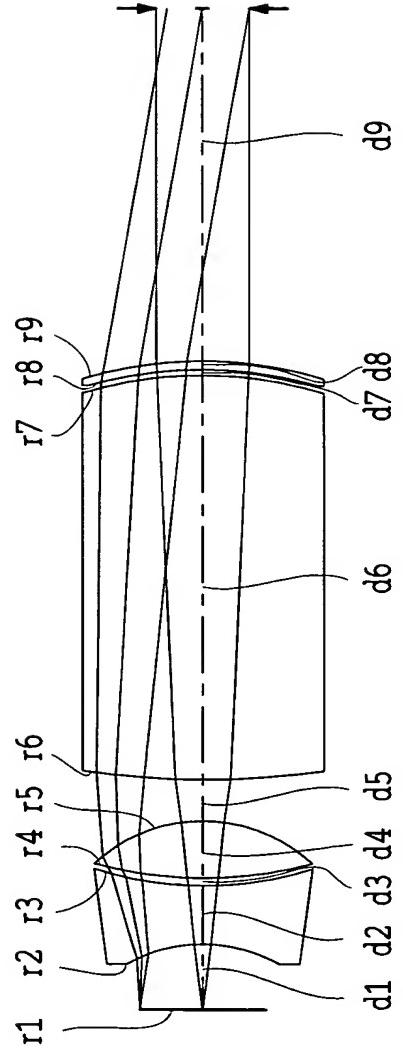
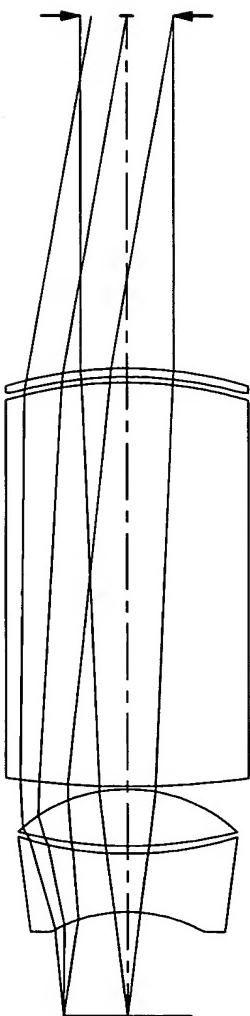


FIG. 12C



**FIG. 13A**  
SPHERICAL  
ABERRATION (dp)

NA 0.121

**FIG. 13B**  
ASTIGMATISM (dp)

NA 2.52

**FIG. 13C**  
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)

NA 2.52

**FIG. 13D**  
DISTORTION (%)

NA 2.52

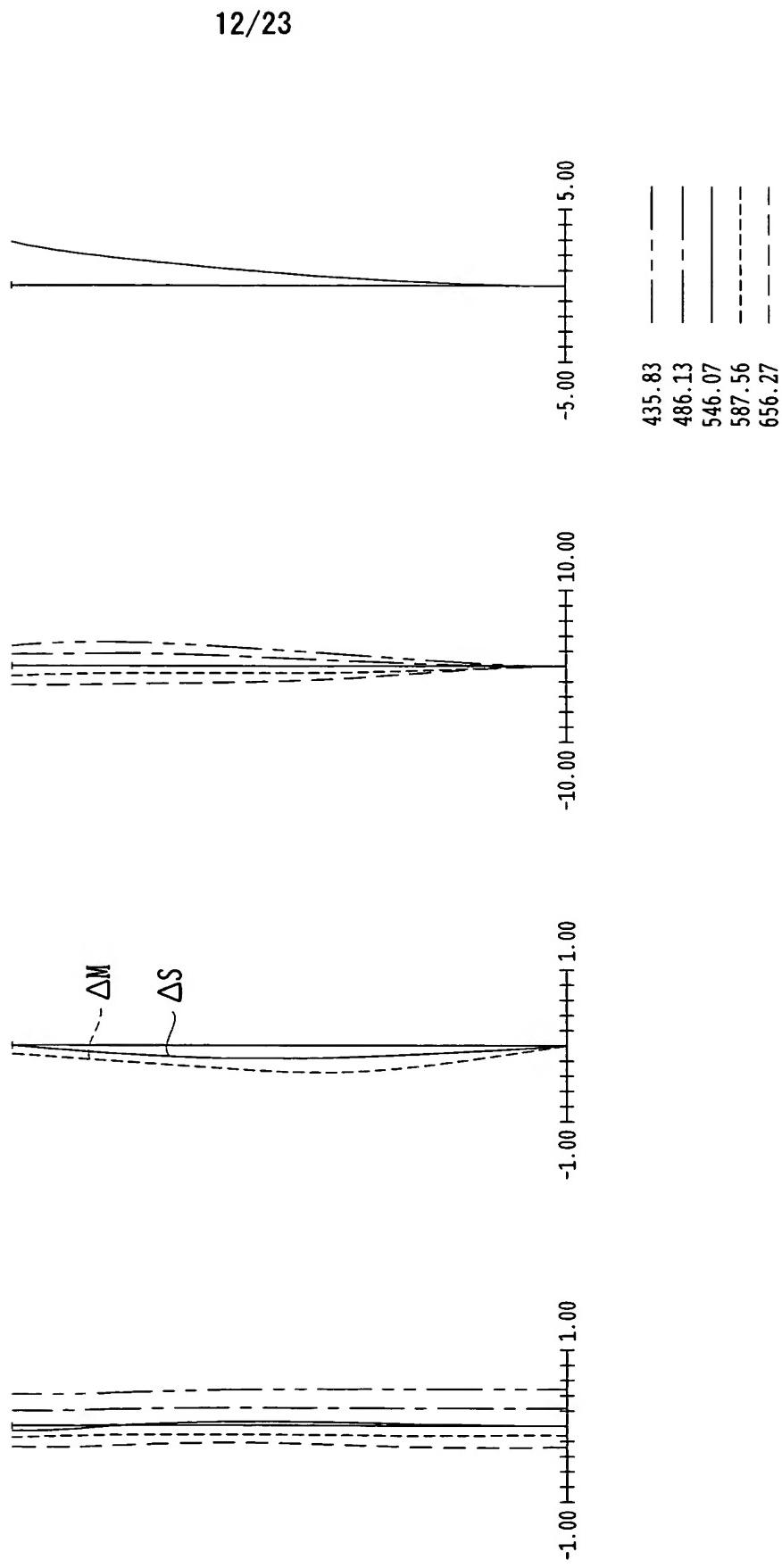


FIG. 14A

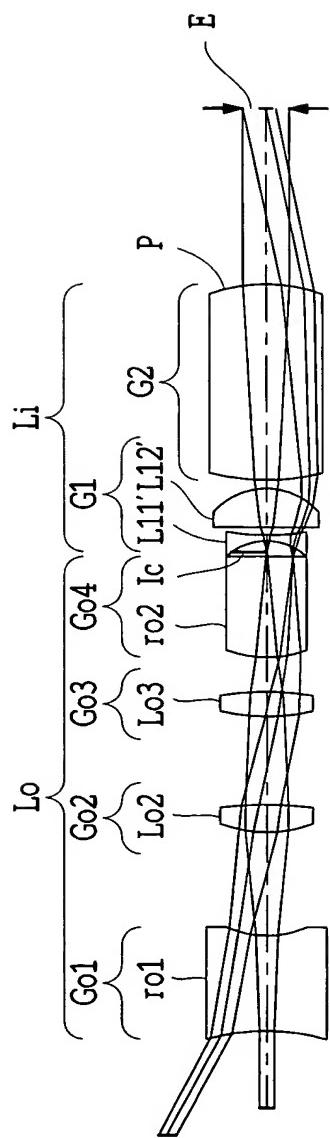


FIG. 14B

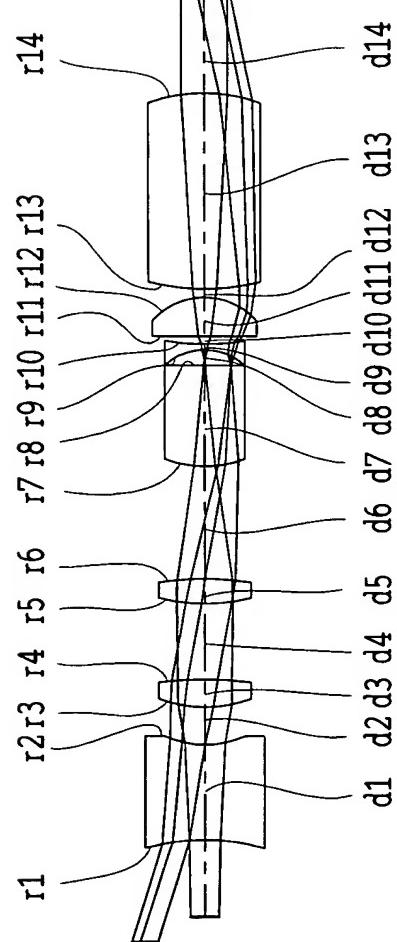
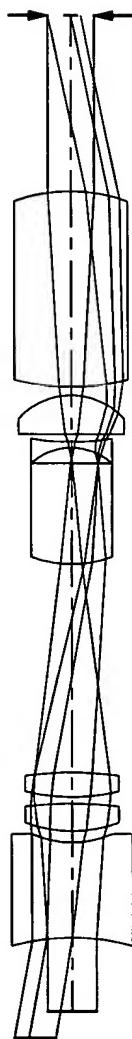
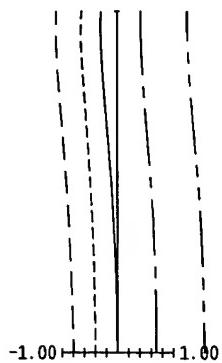


FIG. 14C

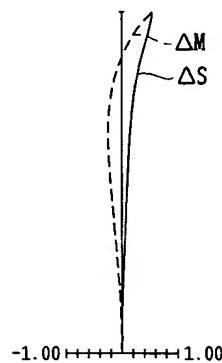


**FIG.15A**

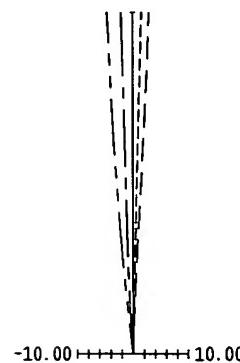
SPHERICAL  
ABERRATION (dp)  
FNO 248.044

**FIG.15B**

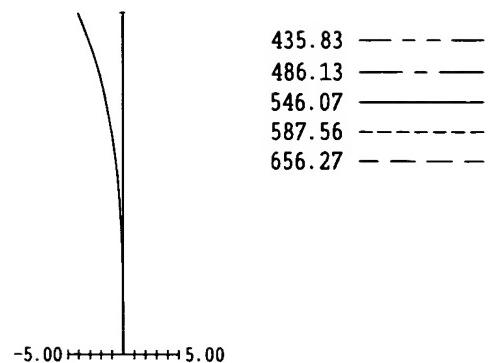
ASTIGMATISM (dp)  
IH 25.34

**FIG.15C**

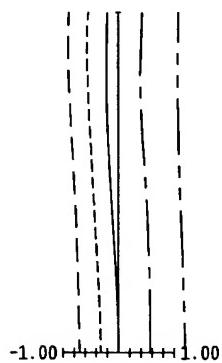
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 25.34

**FIG.15D**

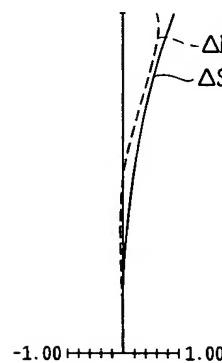
DISTORTION (%)  
IH 25.34

**FIG.16A**

SPHERICAL  
ABERRATION (dp)  
FNO 247.008

**FIG.16B**

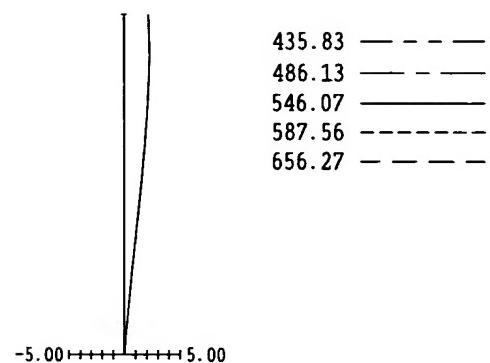
ASTIGMATISM (dp)  
IH 15.56

**FIG.16C**

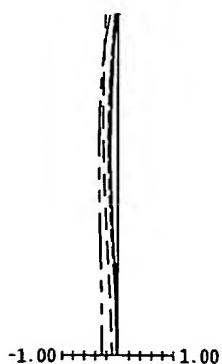
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 15.56

**FIG.16D**

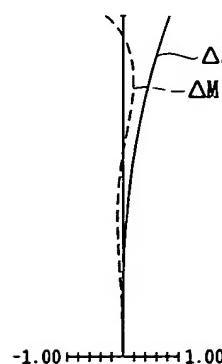
DISTORTION (%)  
IH 15.56

**FIG.17A**

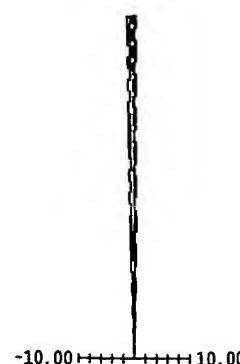
SPHERICAL  
ABERRATION (dp)  
FNO 245.039

**FIG.17B**

ASTIGMATISM (dp)  
IH 9.43

**FIG.17C**

CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 9.43

**FIG.17D**

DISTORTION (%)  
IH 9.43

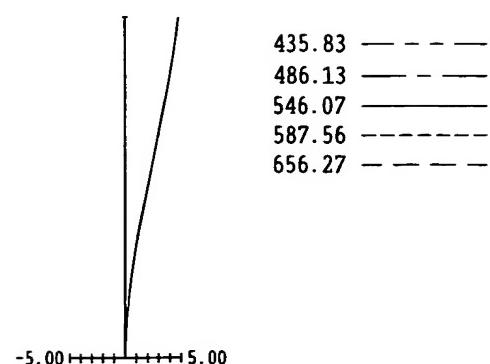


FIG. 18A

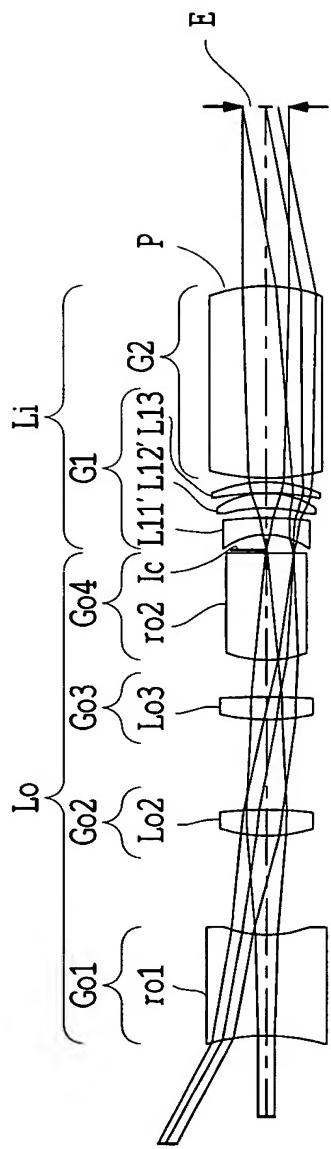


FIG. 18B

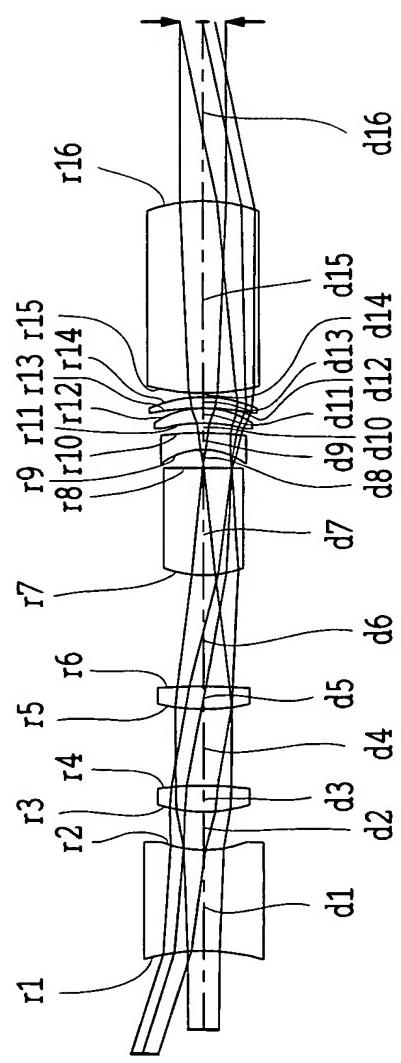
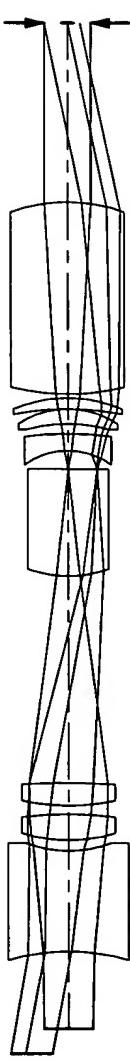
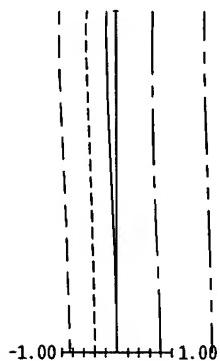


FIG. 18C

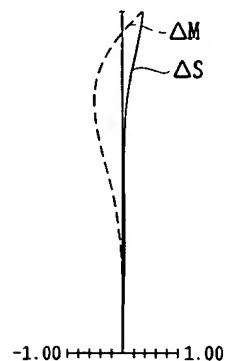


**FIG.19A**

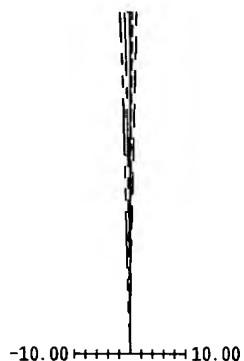
SPHERICAL  
ABERRATION (dp)  
FNO 274.854

**FIG.19B**

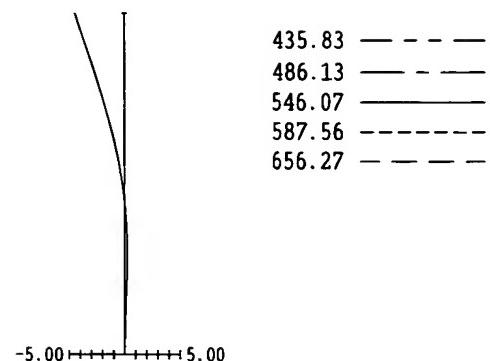
ASTIGMATISM (dp)  
IH 25.34

**FIG.19C**

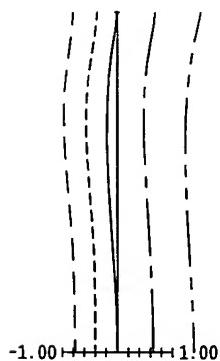
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 25.34

**FIG.19D**

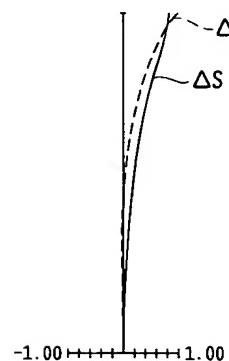
DISTORTION (%)  
IH 25.34

**FIG.20A**

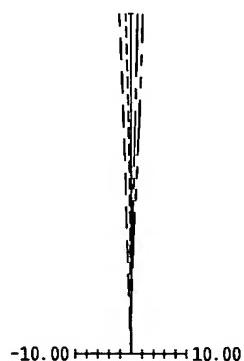
SPHERICAL  
ABERRATION (dp)  
FNO 294.835

**FIG.20B**

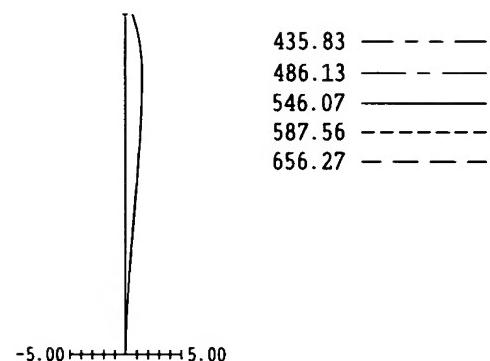
ASTIGMATISM (dp)  
IH 15.56

**FIG.20C**

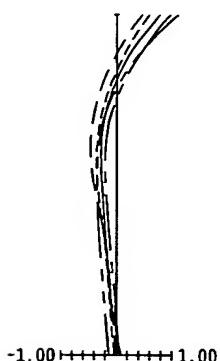
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 15.56

**FIG.20D**

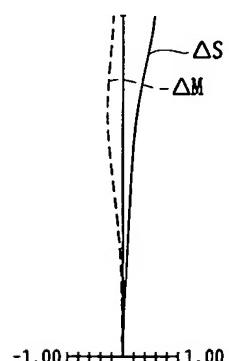
DISTORTION (%)  
IH 15.56

**FIG.21A**

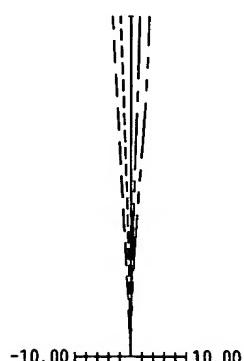
SPHERICAL  
ABERRATION (dp)  
FNO 380.267

**FIG.21B**

ASTIGMATISM (dp)  
IH 9.43

**FIG.21C**

CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 9.43

**FIG.21D**

DISTORTION (%)  
IH 9.43

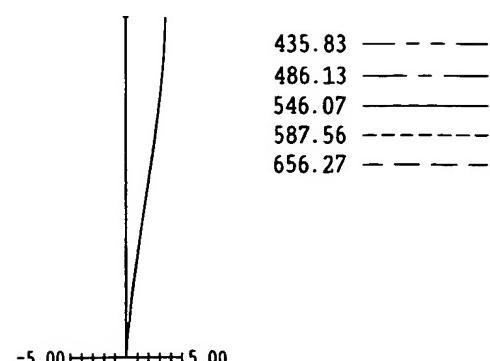


FIG. 22A

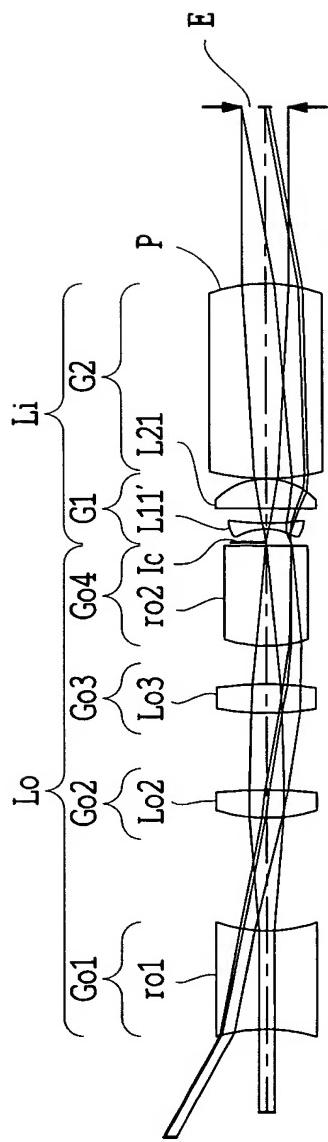


FIG. 22B

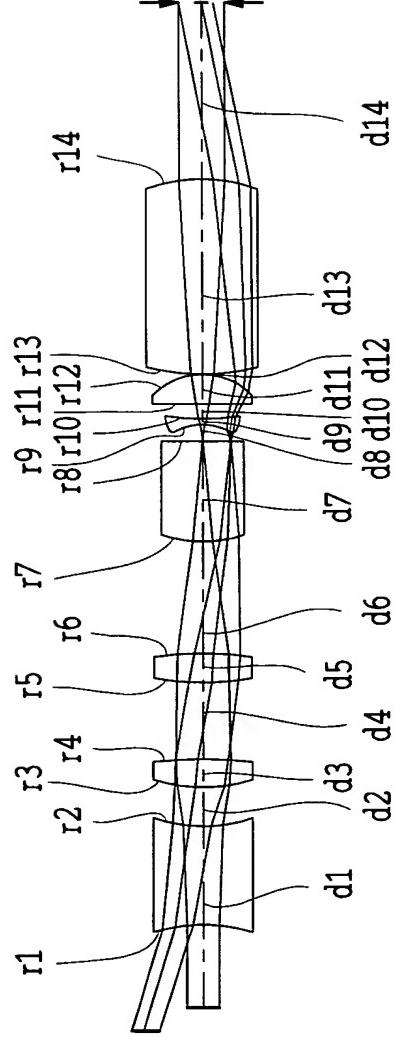
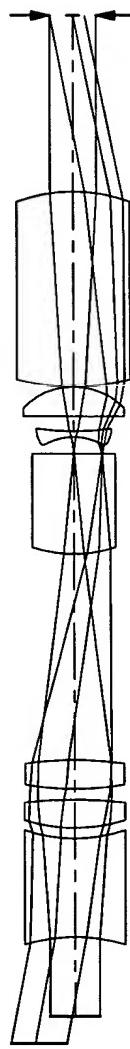
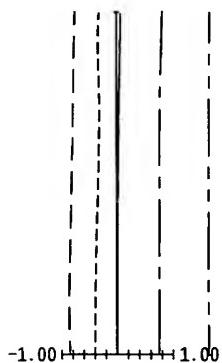


FIG. 22C

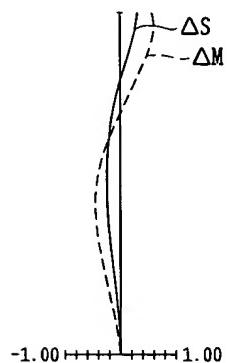


**FIG. 23A**

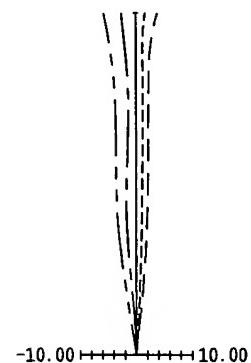
SPHERICAL  
ABERRATION (dp)  
FNO 246.107

**FIG. 23B**

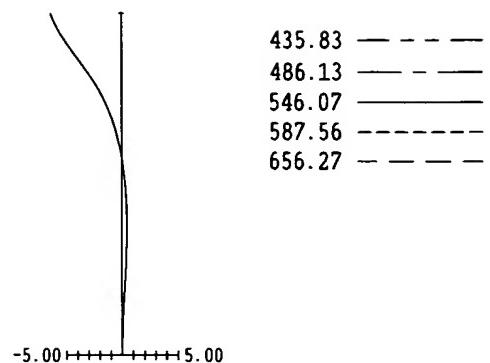
ASTIGMATISM (dp)  
IH 25.34

**FIG. 23C**

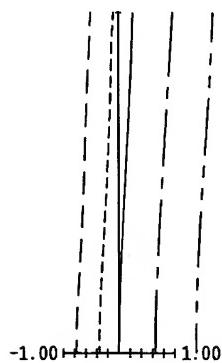
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 35.34

**FIG. 23D**

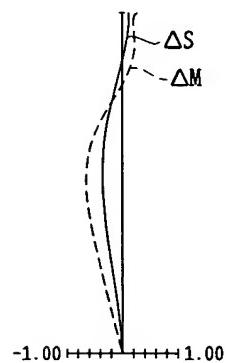
DISTORTION (%)  
IH 25.34

**FIG. 24A**

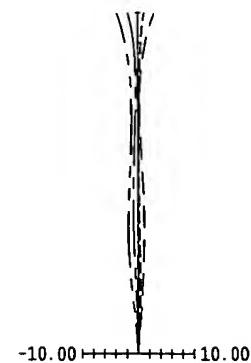
SPHERICAL  
ABERRATION (dp)  
FNO 299.396

**FIG. 24B**

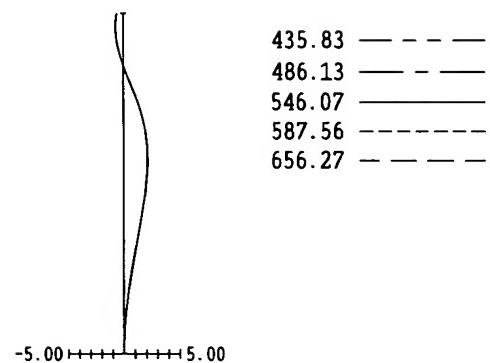
ASTIGMATISM (dp)  
IH 15.56

**FIG. 24C**

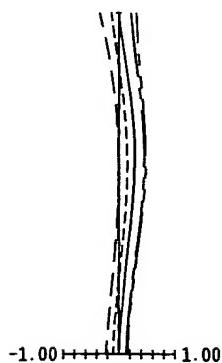
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 15.56

**FIG. 24D**

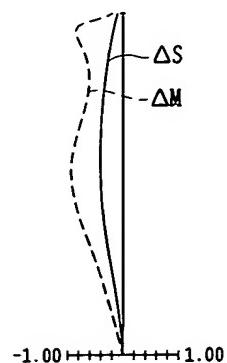
DISTORTION (%)  
IH 15.56

**FIG. 25A**

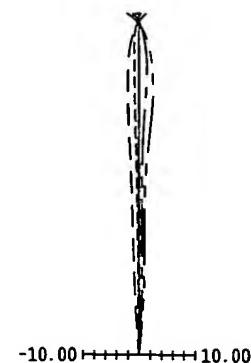
SPHERICAL  
ABERRATION (dp)  
FNO 473.713

**FIG. 25B**

ASTIGMATISM (dp)  
IH 9.43

**FIG. 25C**

CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 9.43

**FIG. 25D**

DISTORTION (%)  
IH 9.43

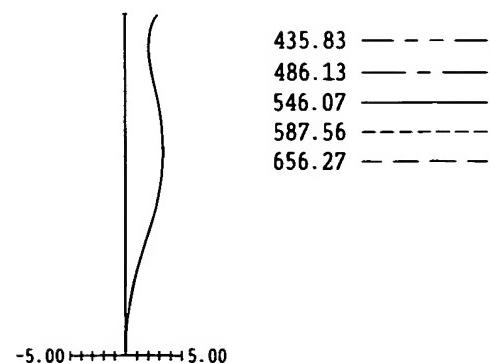


FIG. 26A

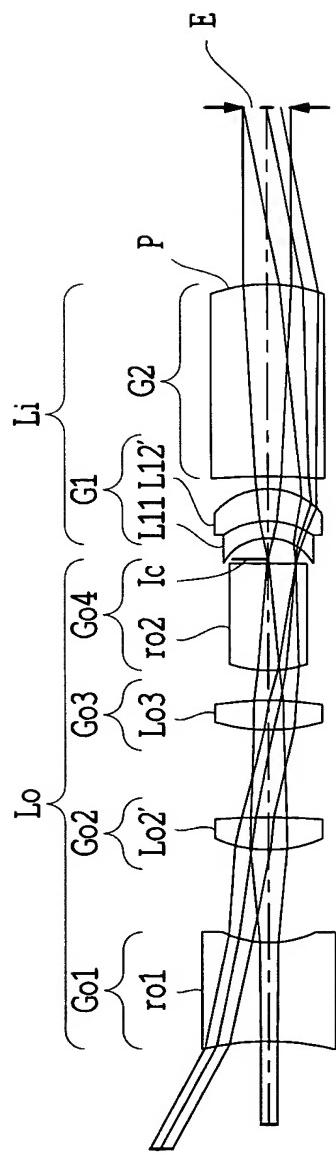


FIG. 26B

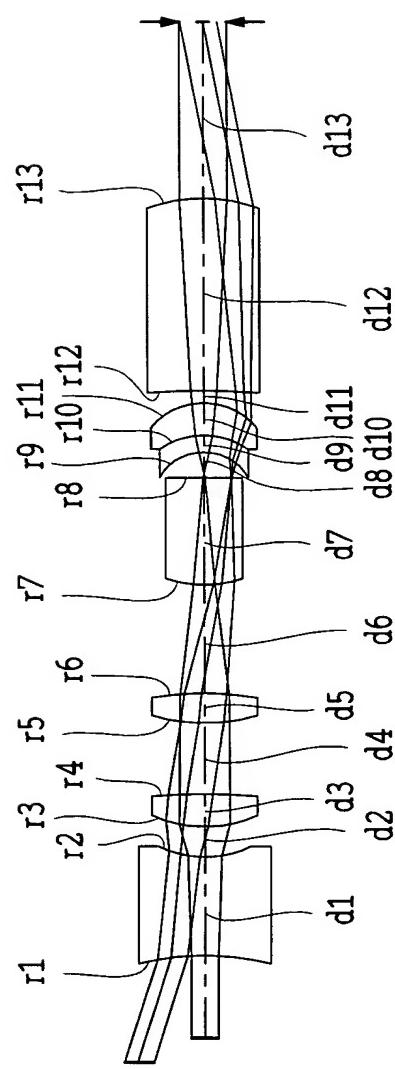
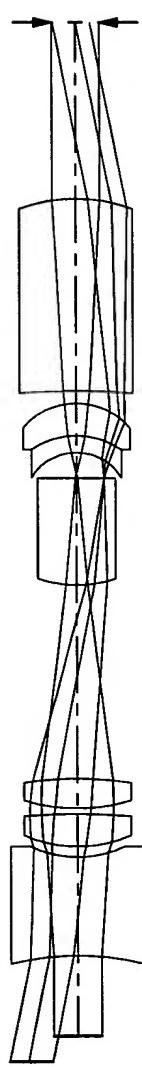
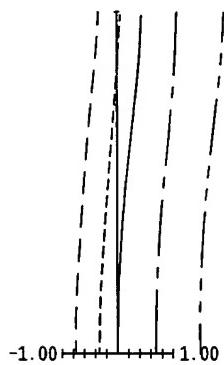


FIG. 26C

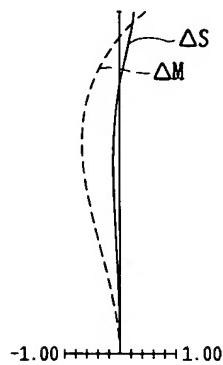


**FIG. 27A**

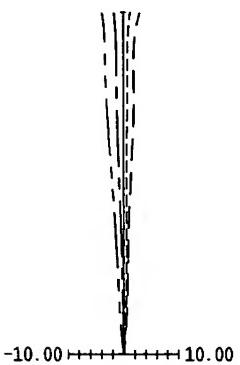
SPHERICAL  
ABERRATION (dp)  
FNO 251.643

**FIG. 27B**

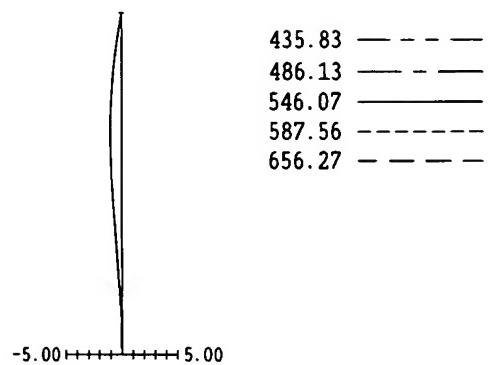
ASTIGMATISM (dp)  
IH 25.34

**FIG. 27C**

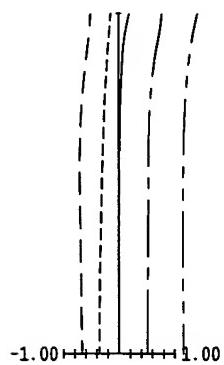
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 35.34

**FIG. 27D**

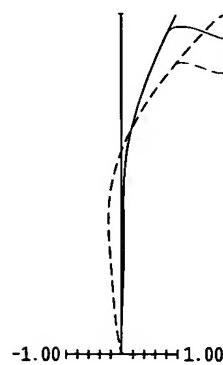
DISTORTION (%)  
IH 25.34

**FIG. 28A**

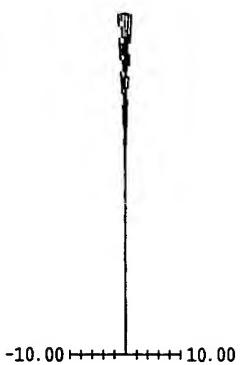
SPHERICAL  
ABERRATION (dp)  
FNO 251.516

**FIG. 28B**

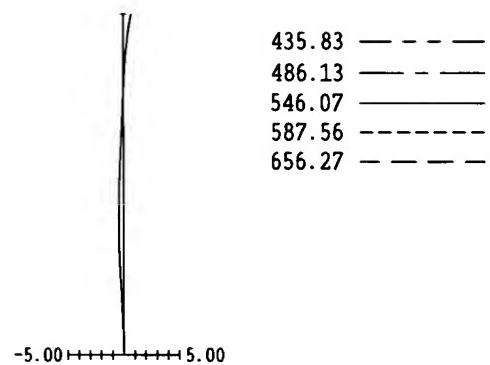
ASTIGMATISM (dp)  
IH 15.56

**FIG. 28C**

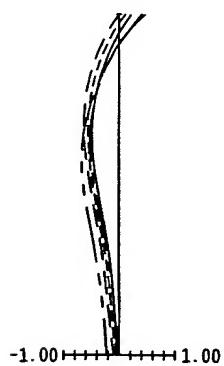
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 15.56

**FIG. 28D**

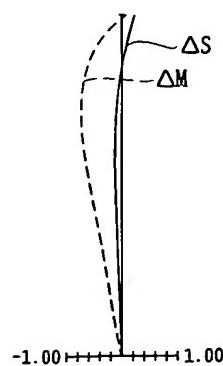
DISTORTION (%)  
IH 15.56

**FIG. 29A**

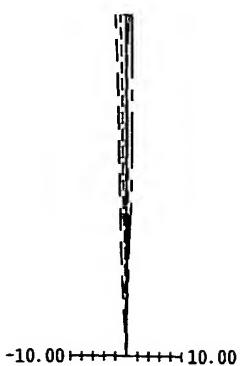
SPHERICAL  
ABERRATION (dp)  
FNO 228.938

**FIG. 29B**

ASTIGMATISM (dp)  
IH 9.43

**FIG. 29C**

CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 9.43

**FIG. 29D**

DISTORTION (%)  
IH 9.43

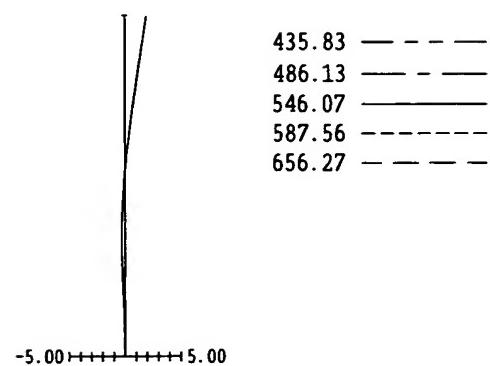


FIG. 30A

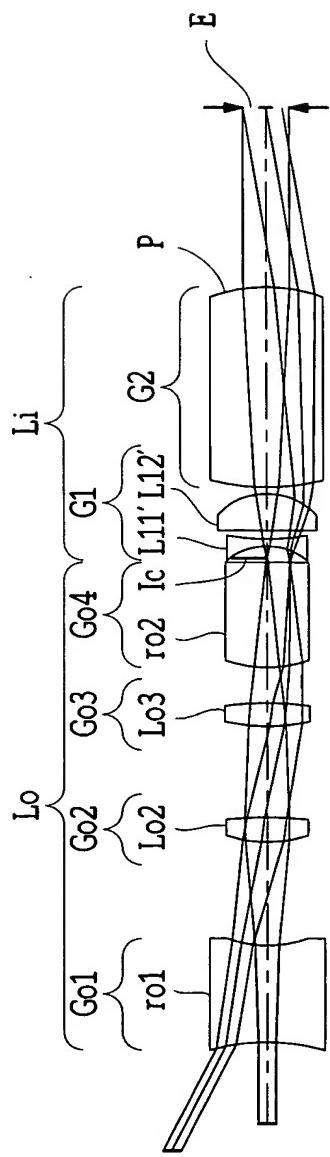


FIG. 30B

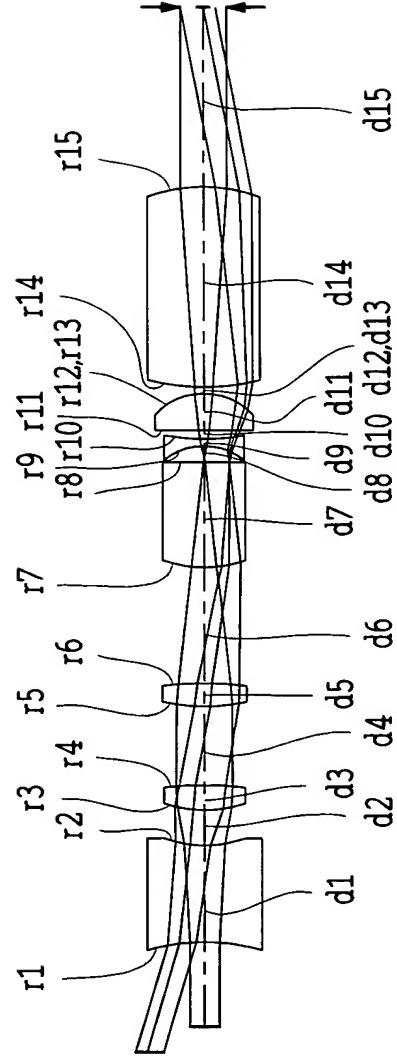


FIG. 30C

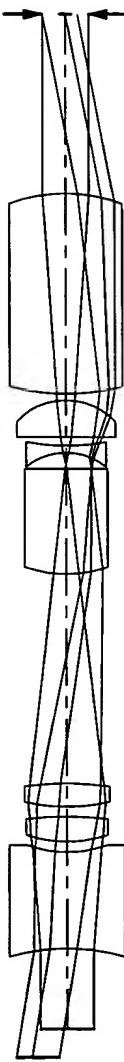


FIG. 31A

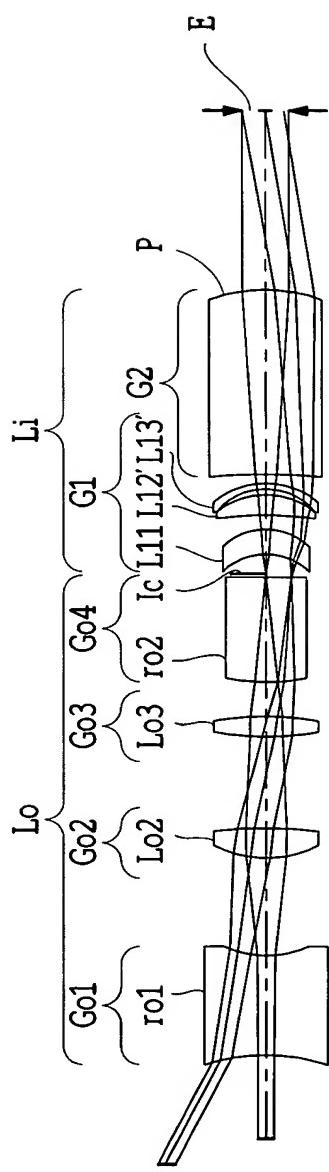


FIG. 31B

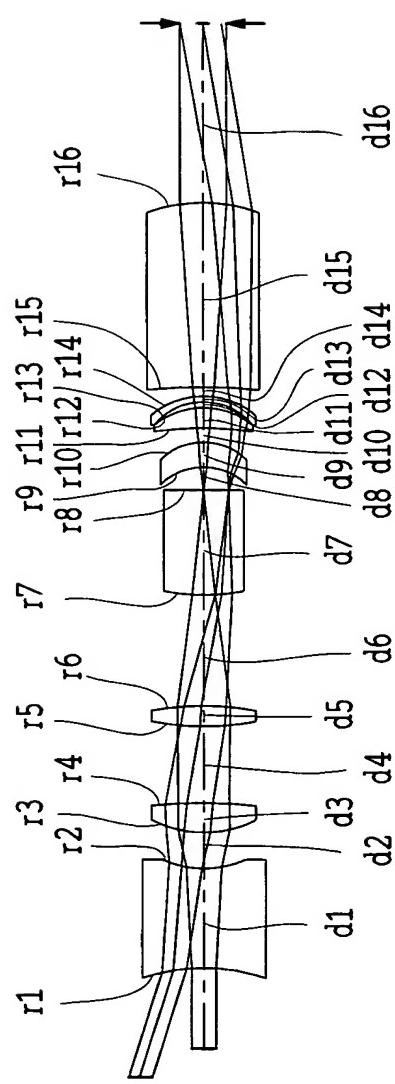
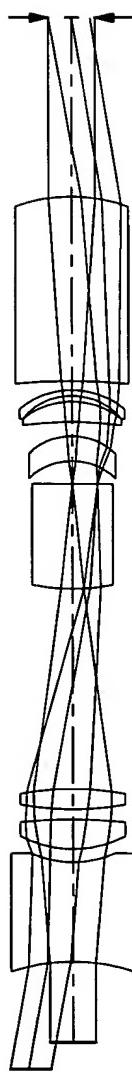
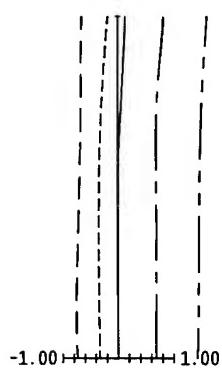


FIG. 31C

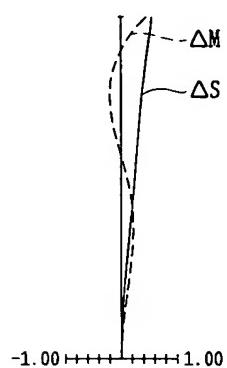


**FIG. 32A**

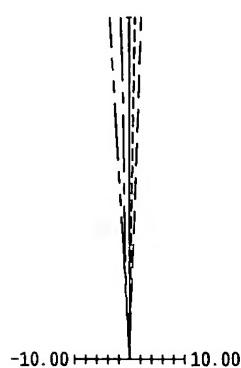
SPHERICAL  
ABERRATION (dp)  
FNO 281.122

**FIG. 32B**

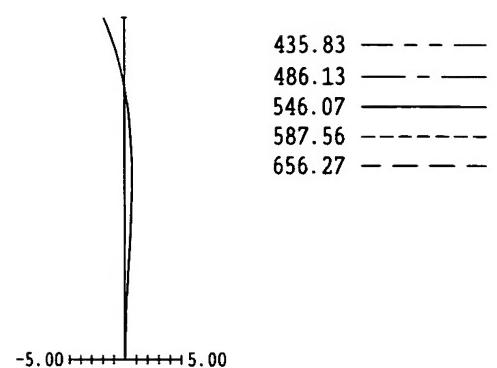
ASTIGMATISM (dp)  
IH 25.34

**FIG. 32C**

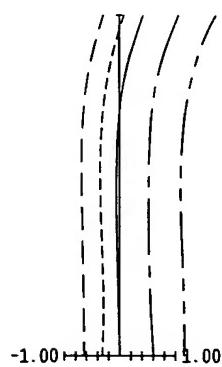
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 35.34

**FIG. 32D**

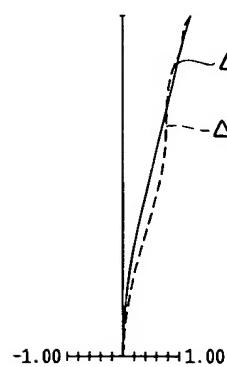
DISTORTION (%)  
IH 25.34

**FIG. 33A**

SPHERICAL  
ABERRATION (dp)  
FNO 230.342

**FIG. 33B**

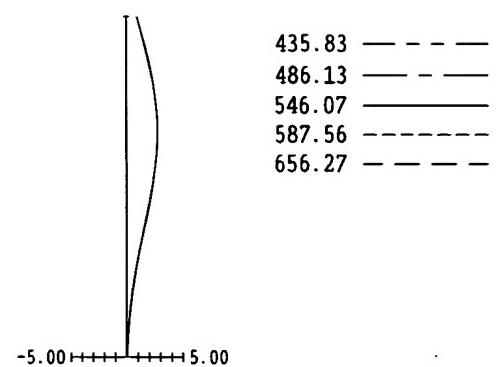
ASTIGMATISM (dp)  
IH 15.56

**FIG. 33C**

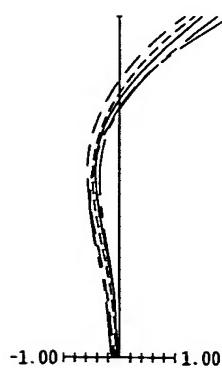
CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 15.56

**FIG. 33D**

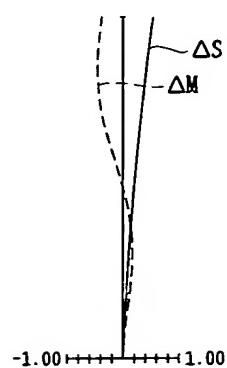
DISTORTION (%)  
IH 15.56

**FIG. 34A**

SPHERICAL  
ABERRATION (dp)  
FNO 206.652

**FIG. 34B**

ASTIGMATISM (dp)  
IH 9.43

**FIG. 34C**

CHROMATIC ABERRATION  
OF MAGNIFICATION (a)  
IH 9.43

**FIG. 34D**

DISTORTION (%)  
IH 9.43

